PowerFinder - Java class:

1. Class name [powerfinder] - It should start with the uppercase letter, and the second word should again start with capital letter
2. Method name [OF]- It should start with lowercase letter, also if the name contains multiple words, start it with a lowercase letter followed by an uppercase letter
3. Util methods not used - Util methods are more optimized and tested , we can make use of Java Util library.
4. Variables can be given meaningful name – Instead of having just character like xyz, pqr etc . meaningful variable names can be given to make code more understandable
5. Appropriate Javadoc is missing for class and methods.
6. Package name [powerpackage] : Package not declared appropriately , if it has more than one word then separate with dot.

PowerFinderTest – Junit Test class:

1. Assert method should not be used for Junit testing ,instead Junit AssertEqual methods should be used . Assert method need to be used only in case to test during development stage when we need to code unreachable code.
2. Junit appropriate packages are not imported. This is reason for code not running. Below imports can be used.

import org.junit.jupiter.api.Assertions;  
import org.junit.jupiter.api.Test;

1. Method naming convention for junit is not followed.
2. Logical grouping of testcases can be done under a single method to avoid multiple methods and unnecessary code.
3. Appropriate Javadoc is missing for class and methods.